Technical Letter No. 1946

REFER TO THIS LETTER BY NUMBER

TO BE NOTED AND INITIALED BY	

PACKARD MOTOR CAR COMPANY

DETROIT MICHIGAN

July 18, 1933

To PACKARD DISTRIBUTERS AND DEALERS

Subject **FUEL PUMPS**

Gentlemen:

Please review Technical Letter #1941 covering the fuel pumps on the Packard Twelve.

In this letter we pointed out that a high speed motor miss, resembling a vapor lock condition, may be caused by a weak fuel pump, or a leak in the gasoline line. This same condition may develop in the Super Eight, although it is unlikely that it will be found in the Eight.

Both the fuel pump and the condition of the line may be checked by means of a pressure gauge at the carburetor, and we have developed:

ST-917 Gasoline Pressure Pump Gauge

In using this gauge, the fuel line at the carburetor is disconnected and the "T" of the gauge connection inserted. The long rubber hose is then carried back through the louvre door, and the side ventilator, so that the pressure can be determined from the drivers seat.

The pressure will be lowest at high speeds and with a hot motor. The pump becomes less efficient when the pump and the gasoline are hot, so that in order to make a thorough check, the car should be driven long enough to develop the maximum heat.

The gauge should show at least 1 lb. on the Eight and 1½ lbs. on the Super Eight and Twelve, even under the most severe conditions of heat and speed. If it does not do so the fuel lines should first be thoroughly checked and tightened. If this does not bring up the pressure it is probable that the pump itself is at fault.

In Technical Letter #1941 we described the new fuel pump diaphragm spring for the Packard Twelve. This same spring may be used to increase the pump pressure in the Eight and the Super Eight, and we suggest that you have a small quantity of these springs on hand. We also suggest that the installation of the spring be made as described in Technical Letter #1941.

Yours very truly,
PACKARD MOTOR CAR COMPANY

T A Stalker

T. A. Stalker,
Mgr. Technical Department

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